

**What is claimed is:**

1           1.    A structure of a plasma display panel,  
2 comprising:

3           a rear substrate;

4           a plurality of ribs formed on the rear substrate to  
5           define a plurality of non-equilateral hexagonal  
6           discharge spaces;

7           a front substrate opposite the rear substrate; and

8           a plurality of bus electrodes formed on the front  
9           substrate, each extending substantially in the  
10          first direction and containing a plurality of  
11          extending electrodes protruding to  
12          corresponding non-equilateral hexagonal  
13          discharge spaces.

1           2.    The structure as claimed in claim 1, wherein the  
2 non-equilateral hexagonal discharge spaces are  
3 symmetrical.

1           3.    The structure as claimed in claim 1, wherein  
2 each non-equilateral hexagonal space is defined by two  
3 vertical sides each of a first length and beveled sides  
4 each of a second length, wherein the first length is less  
5 than 1/2 of the second length.

1           4.    The structure as claimed in claim 3, wherein  
2 the first length is less than 1/4 of the second length.

1           5.    The structure as claimed in claim 1, wherein  
2 the bus electrodes are arranged in a line shape and  
3 parallel with each other.

1           6.    The structure as claimed in claim 1, wherein  
2   the bus electrodes are zigzag shaped and extend along the  
3   ribs.

1           7.    The structure as claimed in claim 1, further  
2   comprising a plurality a connecting electrodes, each  
3   connects the extending electrodes of corresponding bus  
4   electrodes.

1           8.    The structure as claimed in claim 1, wherein  
2   the extending electrodes are near triangular.

1           9.    The structure as claimed in claim 6, wherein  
2   the bus electrodes and the extending electrodes form bar  
3   shaped electrodes.

4           10.   The structure as claimed in claim 6, wherein  
5   the bus electrodes of the bar shaped electrodes do not  
6   contact adjacent extending electrodes at angled points.

1           11.   A structure of a plasma display panel,  
2   comprising:

3           a rear substrate;

4           a plurality of ribs formed on the rear substrate to  
5           define a plurality of diamond shaped discharge  
6           spaces;

7           a front substrate opposite the rear substrate; and

8           a plurality of bus electrodes formed on the front  
9           substrate, each extending substantially in the  
10          first direction and containing a plurality of

11                   extending        electrodes        protruding        to  
12                   corresponding diamond shaped discharge space.

1           12. The structure as claimed in claim 11, wherein  
2 the bus electrodes are a line shape and parallel with  
3 each other.

1           13. The structure as claimed in claim 11, wherein  
2 the bus electrodes are zigzag shaped and extend along the  
3 ribs.

1           14. The structure as claimed in claim 11, further  
2 comprising a plurality a connecting electrodes, each  
3 connecting the extending electrodes.

1           15. The structure as claimed in claim 11, wherein  
2 the extending electrodes are near triangular.

1           16. A structure of plasma display panel,  
2 comprising:  
3           a rear substrate;  
4           a plurality of ribs formed on the rear substrate to  
5           define a plurality of near cross discharge  
6           spaces;  
7           a front substrate opposite the rear substrate; and  
8           a plurality of bus electrodes formed on the front  
9           substrate, each extending substantially in the  
10          first direction and containing a plurality of  
11          extending        electrodes        protruding        to  
12          corresponding near cross discharge space.

1           17. The structure as claimed in claim 16, wherein  
2 the bus electrodes are line shape and parallel with each

3 other or the bus electrodes are zigzag shaped extending  
4 along the ribs.

1 18. The structure as claimed in claim 16, wherein  
2 the near cross discharge spaces include a square as a  
3 main portion and four rectangular sub portions extending  
4 from each side of the main portion.

1 19. A structure of plasma display panel,  
2 comprising:

3 a rear substrate;

4 a plurality of ribs formed on the rear substrate to  
5 define a plurality of discharge spaces, wherein  
6 each discharge space has a first axis along a  
7 first direction and a second axis along a  
8 second direction, the first axis is longer than  
9 the second axis;

10 a front substrate opposite the rear substrate; and

11 a plurality of bus electrodes formed on the front  
12 substrate, each extending substantially in the  
13 second direction and containing a plurality of  
14 extending electrodes protruding to  
15 corresponding near cross discharge spaces.

1 20. The structure as claimed in claim 19, wherein  
2 the first direction and the second direction are  
3 perpendicular.